



# SEQUENCE LISTING

<110> Bublot, et al.

<120> Equine GM-CSF

<130> 454313-2334.1

<140> 09/589,460

<141> 2000-06-07

<150> 60/138,843

<151> 1999-06-10

<160> 9

<170> PatentIn version 3.0

<210> 1

<211> 20

<212> DNA

<213> Artificial

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<223> oligonucleotide primer

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<221> misc\_feature

<222> (13)..(13)

<223> nucleotide "y" can be either of the pyrimidine nucleotides "c" or "t"

<400> 1

tgggcactgt ggyctgcagc

20

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<222> (9)..(9)

<223> nucleotide "r" can be either of the purine nucleotides "a" or "g"

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 ccctgtttgt acagcttcag g 21

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 <222> (1)..(432)  
 <223> coding sequence of equine GM-CSF gene

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 atg tgg ctg cag aac ctg ctt ctt ctg ggc act gtg gtt tac agc atg 48  
 Met Trp Leu Gln Asn Leu Leu Leu Leu Gly Thr Val Val Tyr Ser Met  
 1 5 10 15  
 ccc gca ccc acc cgc caa ccc agc cct gtc act cgg ccc tgg cag cat 96  
 Pro Ala Pro Thr Arg Gln Pro Ser Pro Val Thr Arg Pro Trp Gln His  
 20 25 30  
 gtg gat gcc atc aag gag gcc ctg agc ctt ctg aac aac agt agt gac 144  
 Val Asp Ala Ile Lys Glu Ala Leu Ser Leu Leu Asn Asn Ser Ser Asp  
 35 40 45  
 act gct gct atc atg aat gaa aca gta gaa gtc gtc tct gaa acg ttt 192  
 Thr Ala Ala Ile Met Asn Glu Thr Val Glu Val Val Ser Glu Thr Phe  
 50 55 60  
 gac gcc gag gag ctg aca tgc ctg cag act cgc ctg aag ctg tac aaa 240  
 Asp Ala Glu Glu Leu Thr Cys Leu Gln Thr Arg Leu Lys Leu Tyr Lys  
 65 70 75 80  
 cag ggc ttg cgg ggc agc ctc atc aag ctc gaa ggc ccc ttg acc atg 288  
 Gln Gly Leu Arg Gly Ser Leu Ile Lys Leu Glu Gly Pro Leu Thr Met  
 85 90 95  
 atg gcc agc cac tac aag cag cac tgc ccc ccc acc ctg gaa act tcc 336  
 Met Ala Ser His Tyr Lys Gln His Cys Pro Pro Thr Leu Glu Thr Ser  
 100 105 110  
 tgt gca acc cag atg atc acc ttc aaa agt ttc aaa aag aac ctg aag 384  
 Cys Ala Thr Gln Met Ile Thr Phe Lys Ser Phe Lys Lys Asn Leu Lys  
 115 120 125  
 gat ttt ctg ttt gag atc ccg ttt gac tgc tgg aag cca gcc cag aag 432  
 Asp Phe Leu Phe Glu Ile Pro Phe Asp Cys Trp Lys Pro Ala Gln Lys  
 130 135 140  
 taa 435

<210> 9  
 <211> 144  
 <212> PRT  
 <213> Equine sp.

<400> 9

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Pro Ala Pro Thr Arg Gln Pro Ser Pro Val Thr Arg Pro Trp Gln His  
20 25 30

Val Asp Ala Ile Lys Glu Ala Leu Ser Leu Leu Asn Asn Ser Ser Asp  
35 40 45

Thr Ala Ala Ile Met Asn Glu Thr Val Glu Val Val Ser Glu Thr Phe  
50 55 60

Asp Ala Glu Glu Leu Thr Cys Leu Gln Thr Arg Leu Lys Leu Tyr Lys  
65 70 75 80

Gln Gly Leu Arg Gly Ser Leu Ile Lys Leu Glu Gly Pro Leu Thr Met  
85 90 95

Met Ala Ser His Tyr Lys Gln His Cys Pro Pro Thr Leu Glu Thr Ser  
100 105 110

Cys Ala Thr Gln Met Ile Thr Phe Lys Ser Phe Lys Lys Asn Leu Lys  
115 120 125

Asp Phe Leu Phe Glu Ile Pro Phe Asp Cys Trp Lys Pro Ala Gln Lys  
130 135 140